

Beaver Valley 2

3Q/2006 Plant Inspection Findings

Initiating Events

Mitigating Systems

Significance:  Jul 19, 2006

Identified By: NRC

Item Type: NCV NonCited Violation

FAILURE TO VERIFY THE ADEQUACY OF A TEMPORARY DESIGN MODIFICATION ASSOCIATED WITH THE UNIT 2 CHILLED WATER SYSTEM

An NRC-identified non-cited violation of 10 CFR 50, Appendix B, Criterion III, "Design Control," was identified for failure to provide for verifying the adequacy of design associated with a temporary design modification installed on the Unit 2 chilled water system. In particular, adequate justification and bases for assumptions, positions, and conclusions were not adequately provided where necessary, were not identified during reviews, and ultimately challenged the functional capabilities of the system upon implementation. The licensee entered this issue into the corrective action program, performed an apparent cause assessment, will use this modification in engineering training as a case study, will revise design interface review checklist questions to prevent similar issues in the future, and has repaired the system and removed the temporary modification.

This finding was considered more than minor since the modification resulted in degrading temperature trends that if left uncorrected, could have led to a more significant safety concern. Specifically, components necessary to achieve safe shutdown were exposed to higher temperatures for normal operation than credited in the design qualification records. In addition, increasing temperatures in containment under less than favorable external conditions (high ambient temperatures) could have led to exceeding the technical specification limit to support containment operability, and resulted in a plant shutdown. This finding was considered to be of very low safety significance because there was no loss of system safety function and was not impacted by external events.

Inspection Report# : [2006004\(pdf\)](#)

Significance:  Dec 31, 2005

Identified By: Self-Revealing

Item Type: NCV NonCited Violation

PROCEDURAL ERROR RESULTED IN THE UNEXPECTED INOPERABILITY OF THE "A" MOTOR-DRIVEN AUXILIARY FEEDWATER PUMP

A Green, self-revealing, non-cited violation (NCV) of 10CFR50 Appendix B, Criterion V, "Instructions, Procedures, and Drawings," was identified for failure to properly execute a clearance procedure. Specifically, a safety-related auxiliary feedwater (AFW) pump was inadvertently disabled as a result of a procedural error during a clearance activity. The licensee entered this deficiency regarding procedure implementation into their corrective action program, performed a root cause evaluation, and implemented interim corrective actions that included a human performance stand-down to communicate lessons learned to the organization.

The finding was more than minor because it was associated with the equipment performance attribute of the mitigating systems cornerstone and affected the objective in that it impacted the availability/reliability of a safety-related AFW pump. The finding is of very low safety significance since the pump was unavailable and out-of-service for only two minutes (within the technical specification allowable outage time of 72 hours). The cause of the finding is related to the personnel subcategory of the cross-cutting element of human performance.

Inspection Report# : [2005008\(pdf\)](#)

Barrier Integrity

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Physical Protection

[Physical Protection](#) information not publicly available.

Miscellaneous

Last modified : December 21, 2006